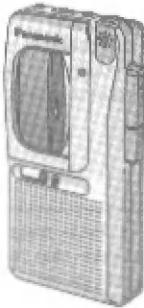


Microcassette Recorder Operating Instructions Model No. RN-505



P

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

The model number and serial number of this product can be found on either the back or the bottom of the unit.
Please note them in the space provided below and keep for future reference.
MODEL NUMBER RN-505
SERIAL NUMBER

Panasonic Consumer Electronics Company, ^(En)
Division of Matsushita Electric Corporation of America

One Panasonic Way Secaucus, New Jersey 07094
<http://www.panasonic.com>

Panasonic Sales Company, Division of
Matsushita Electric of Puerto Rico, Inc. ("PSC")
Ave. 65 de Infanteria, Km. 9.5 San Gabriel Industrial
Park, Carolina, Puerto Rico 00985

© 2000 Matsushita Electric Industrial Co., Ltd.

Printed in Japan:

RQT5406-P
F0100KBO

Power source

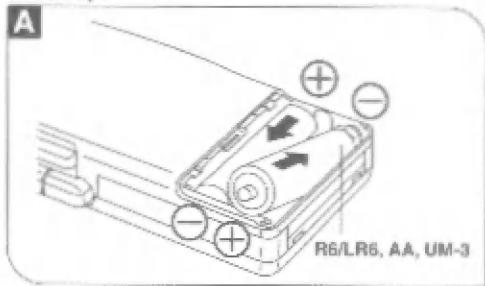
Dry cell batteries A

Use two R6/LR6, AA UM-3 (not included) batteries.

Press in and down towards the minus end.

Battery removal

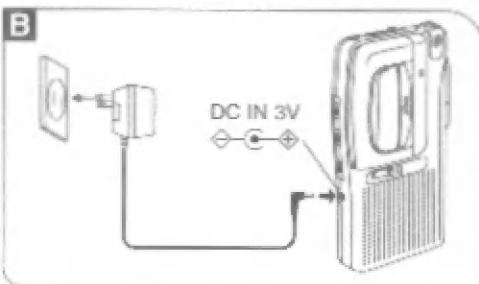
Press the + side towards the - battery terminal and lift up.



AC power operation B

Use the included AC adaptor/charger.

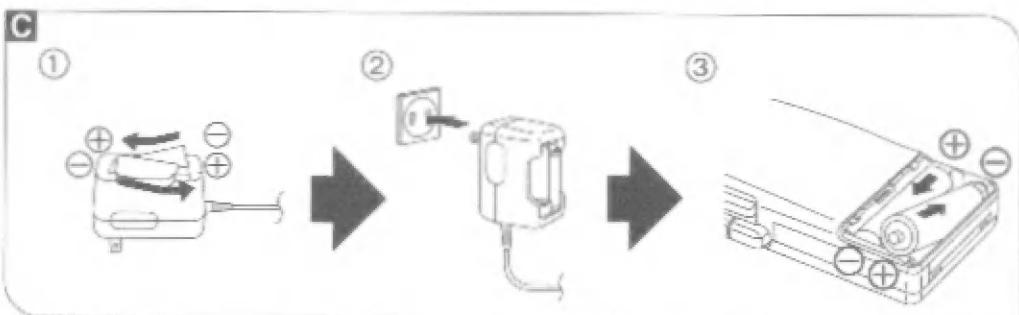
- When not in use, disconnect the AC adaptor from the AC power outlet.



Rechargeable batteries C

For initial use after purchase or after a long interval (more than 3 months), be sure to recharge the rechargeable batteries. A full charge, which takes about 2 hours enables you to enjoy about 4½ hours recording and 3½ hours playback.

Recharge the rechargeable batteries (included), then insert the batteries into the unit.



Supplied Accessories

2 Rechargeable batteries with carrying case (RP-BP60BPYS1) 1

AC adaptor/Charger (RP-BC124PY) 1

* To order accessories contact 1-800-332-5368 or web site (<http://www.panasonic.com>).

* Use numbers indicated in parentheses when asking for replacement parts.



The product you have purchased is powered by a nickel-cadmium battery which is recyclable. Please call 1-800-8-BATTERY for information on how to recycle this battery.



Product Service

Do not attempt to remove the cover(s) or repair the unit yourself. Refer servicing to qualified personnel only.

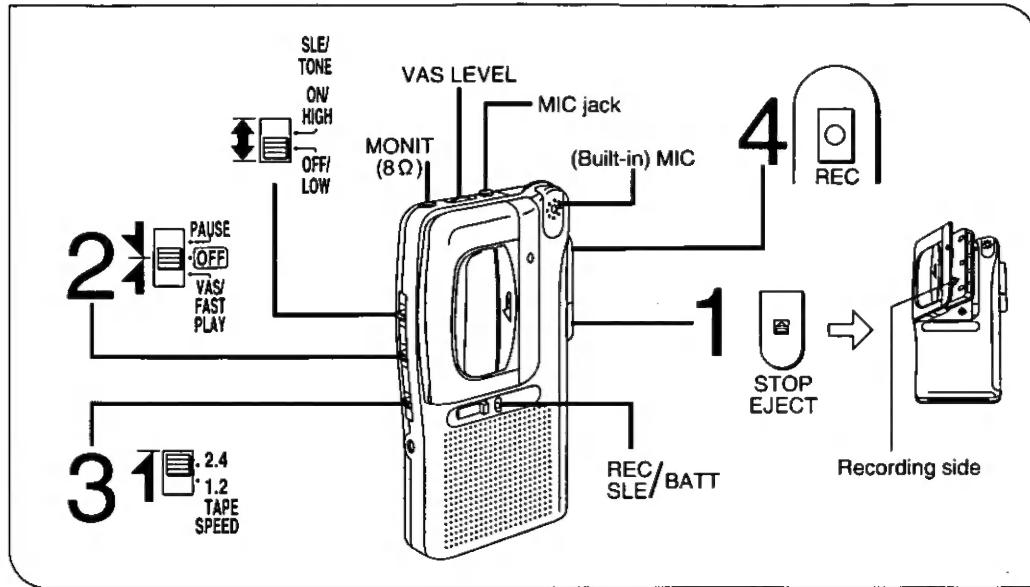
Product information

For product service, product information or assistance with product operation, refer to the servicer center directory.

User memo:

DATE OF PURCHASE _____
DEALER NAME _____
DEALER ADDRESS _____
TELEPHONE NUMBER _____

Recording



Basic operation

Function	Operation
Stop	Press [STOP, EJECT].
Temporary stop	Set [PAUSE] to PAUSE. To resume recording set it to OFF .
Recording for a long time	Set [TAPE SPEED] to [1.2] .

■ Program time (with RT-60 MC microcassette tape)

At **[1.2]**: 1 hour on one side
At **[2.4]**: 30 minutes on one side

Note:

- Use a tape with tabs in place.
- The recording level is automatically adjusted.
- The built-in microphone picks up sound from all directions.

Troubleshooting Guide

BEFORE CALLING



Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

For detailed instructions, contact an authorized servicercenter 1-800-211-7262 or web site (<http://www.panasonic.com>).

PROBLEM

CHECKPOINT

No operations.



- Have the batteries been installed with their polarities (+, -) reversed?

• No sounds.
• A gritty noise is heard.



- Is the earphone plug firmly connected to [MONIT (8Ω)]?
- Is the plug dirty? (Wipe away the dirt from the plug.)

Cannot hear sound-too noisy.



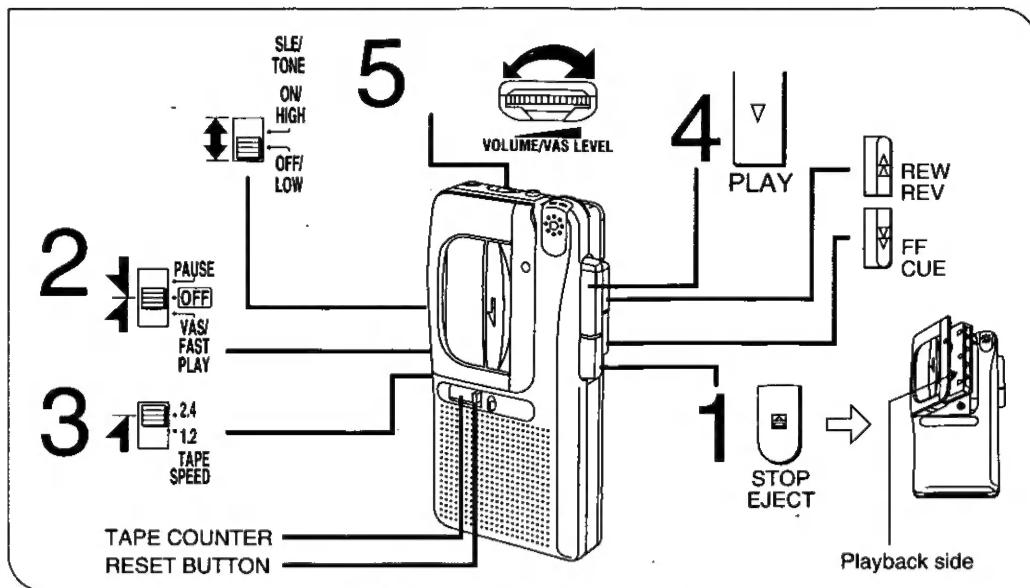
Separate the unit from mobile phones.

No recording.



Have the tape's accidental erasure prevention tabs been broken out?

To playback tapes



Basic operation

Function	Operation
Stop	During playback, press [STOP, EJECT].
Fast forward or rewind	In the stop mode, press [FF, CUE] (Fast forward) or [REW, REV] (Rewind).
Temporary stop	Set [PAUSE] to PAUSE. To resume playback set it to OFF .
To play faster than usual	Set [FAST PLAY] to FAST PLAY.
To change the tone	Set [TONE] to HIGH or LOW .

Cue and review

Sound can be monitored at a high speed as long as [**FF, CUE**] (cue) or [**REW, REV**] (review) is held down during playback.

When the button is released, normal playback will start.

•Cue speed is slightly faster than play speed.

Note:

- Set [**TAPE SPEED**] to the same setting as you used for recording.
- When the tape reaches its end after fast forward or rewind, press [**STOP, EJECT**] to release the button.

BATTERIES AND CHARGER

Rechargeable batteries and charger

- Use the included charger when recharging.
- During recharging, it is normal for the charger and the rechargeable batteries to become slightly warm.
- Avoid recharging or placing the rechargeable batteries near sources of heat or humidity.

Batteries

- Align the poles (+ and -) properly when inserting the batteries.
- Do not mix old and new batteries or different types of batteries.
- Do not recharge ordinary dry cell batteries.
- Remove the batteries if the unit is not to be used for a long time.
- Do not use the batteries if the covering has been peeled off.

- The included rechargeable batteries can be recharged about 300 times. When operation time shortens sharply, they should be replaced.

Note:

- Do not recharge more than 8 hours at one time, or rechargeable battery life may be shortened.

Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire. If electrolyte leaks from the batteries, consult your dealer. Wash thoroughly with water if electrolyte comes in contact with any part of your body.

OTHER

To record with the VAS (Voice Activated System) function

The sound is recorded automatically, so there is no tape waste.

To use VAS function, select [VAS] in step 2 of Recording and adjust [VAS LEVEL].

•No sound is recorded at the "0" position.

•After using VAS function, set [VAS] to [OFF].

1-3: If you wish to record only the louder sounds.

4-7: If you wish to record normal level sounds.

8-10: If you wish to record lower levels of sound than usual.

SLE (Sound Level Equalizer) recording

SLE improves recording in locations remote from the source. This is helpful in class and conference rooms.

To record with SLE recording, set [SLE] to [ON].

The SLE recording indicator turns green when recording.

Silent auto-stop

When the tape comes to its end during recording or playback, the tape stops moving and the power is turned off. After that,

be sure to press [STOP, EJECT].

To record through the external microphone

Plug the external monaural microphone (not included) into [MIC] jack.

Plug type: 3.5 mm (1/8 in.) monaural

Note:

- Use a dynamic microphone or a condenser microphone with a built-in power supply. Do not use a condenser microphone without a built-in supply.

- The built-in microphone will be automatically disconnected.

Monitoring

The sound can be heard with an earphone (not included) plugged into [MONIT(8Ω)].

•Plug type: 3.5 mm (1/8 in.) monaural

Note:

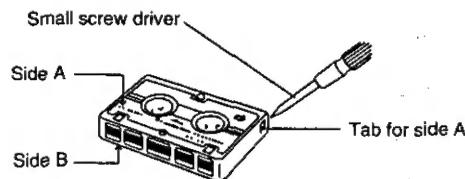
- Any change made to the volume during recording (when [VAS] is set to [OFF]) will not affect the recorded sound.

- Do not adjust the volume when recording with the VAS function or the VAS level will change.

Erasure prevention

Removing the tab(s) of the cassette (with a small screwdriver) will prevent accidental erasure.

To record again, cover the hole of the tab with adhesive tape.



Follow up recording

Recording can be started during playback by simply pressing [●REC].

Quick review

To listen to the sound you have recorded, press and hold [◀◀REW, REV].

When the button is released, playback will start.

Tape counter and reset button

The digits return to "000" when the reset button is pressed. The digits advance with

the tape to provide a reference to quickly find a desired portion of tape.

REC, SLE/BATT indicator

[REC, SLE/BATT] indicator will light during recording.

Also the tape speed will slow down, the sound is distorted, and the volume will decrease as the batteries weaken.

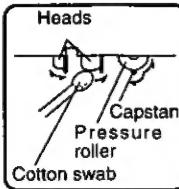
When the batteries are weak

[REC, SLE/BATT] indicator will become dim or turn off during recording.

MAINTENANCE

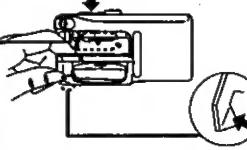
Head care

To ensure good sound quality, be sure to clean the head after approximately every 10



hours of use with a cotton swab dampened with a little alcohol.

Press [●REC].



Erase prevention lever

CAUTION

- Avoid using or placing this unit near sources of heat.
- Do not leave it in an automobile exposed to direct sunlight for a long period of time with doors and windows closed.
- To avoid product damage, do not expose this product to rain, water or other liquids.

- These speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.

Listening caution



Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.

If you experience a ringing in your ears, reduce volume or discontinue use.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.

You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

Even if your headphones or earphones are the open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Specifications

Power requirement

Battery:

DC 3 V
(two R6/LR6, AA, UM-3 batteries)

Play time:

Approximate operating time in hours [at 25°C (77°F), on a flat, stable surface.]

- The play time may be less depending on the operating conditions.

Function	Recording	Playback
Battery type		
Rechargeable*	4.5	3.5
Panasonic Alkaline	13.5	9

*Recharging time: 2 hours

Power consumption in standby mode: 1.0 W

Frequency response

Speaker:

500-3500 Hz

Tape speed

3.6 cm (1 1/2")

Track system

1.2 cm/s (1/2 ips)

2.4 cm/s (1 1/2 ips)

2 track monaural recording and playback

Jack:

Input: MIC; 0.25 mV
(200-600 Ω)

Output: MONIT (8 Ω)

Dimensions(W×H×D)

58.0×117.0×23.7 mm
(2 5/16"×4 5/8"×1 1/8")

Mass (without batteries)

135 g (4.8 oz.)

Note:

Specifications are subject to change without notice.
Mass and dimensions are approximate.

Panasonic Consumer Electronics
Company, Division of Matsushita
Electric Corporation of America
One Panasonic Way,
Secaucus, New Jersey 07094

Panasonic Audio Products Limited Warranty

Panasonic Sales Company, Division
of Matsushita Electric Corporation
of Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park,
Carolina, Puerto Rico 00985

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will repair this product with new or refurbished parts in the event of a defect in materials or workmanship, free of charge, in the U.S.A. or Puerto Rico as follows (all time periods start from the date of original purchase):

**COMPACT DISC PLAYERS, RADIOS, VIDEO CD PLAYERS,
RADIO CASSETTE PLAYERS/RECORDERS (with and without CD
Players), CASSETTE RECORDERS, MICROCASSETTE
RECORDERS/TRANSCRIBERS AND IC RECORDERS**—labor and parts for one (1) year.

ACCESSORIES—HEADPHONES, CARTRIDGES,

MICROPHONES, ADAPTERS—labor and parts for ninety (90) days.

BATTERIES—(when applicable)—New rechargeable batteries in exchange for defective rechargeable batteries for ten (10) days. Non-rechargeable batteries are not warranted.

RECHARGEABLE BATTERY PACKS—(when applicable)—New rechargeable battery packs in exchange for defective rechargeable battery packs for ninety (90) days. Non-rechargeable battery packs are not warranted.

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call toll free, 1-800-211-7262 to locate a PASC authorized Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in materials and workmanship which occur during normal use and does not cover

normal wear to the stylus (when applicable) or a dealer installed cartridge or stylus. The warranty does not cover damages which occur in shipment or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, faulty installation, misapplication, set-up adjustments, maladjustment of consumer controls, improper operation or maintenance, improper antenna, inadequate signal reception or pick-up, alteration, modification, power line surge, improper voltage supply, lightning damage, commercial use, such as; hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Panasonic Consumer Call Center at the company address above or call toll free 1-800-211-7262.

If you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-affixed letter, detailing the complaint, to the outside of the carton.

Do NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

Customer's Record

Model No. _____

Dealer's Name _____

Serial No. _____
or _____

Code No. _____

Dealer's Address _____

Date of Purchase _____

RQT5406